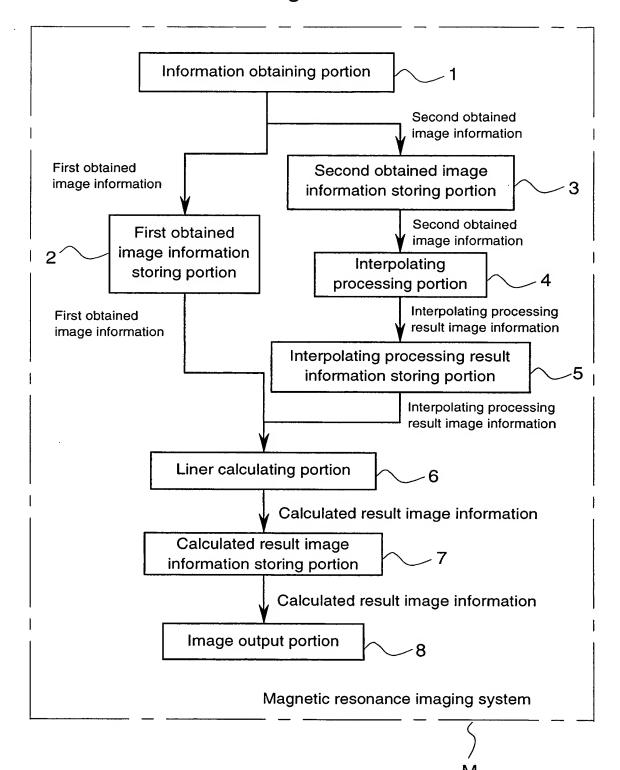


2/8 Fig.2

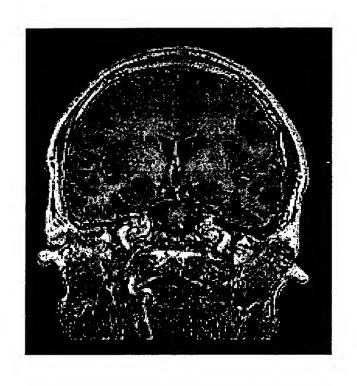


| | <u> </u> | | | | | ſ | | l | | |
|---------------------------------|--------------|---------------|--------------|---------------|--------------|-----|--------------|--------------|--------------|-----|
| | \ | | | | | | | | | |
| 256th row | 0 | 0 | 0 | 0 | 0 | ··· | 0 | 256th row | 0 | ••• |
| : | • | , : | : | : | ÷ | ÷ | : | : | : | i |
| Fifth row | 512 | 511 | 542 | 538 | 635 | | 439 | Fifth row | 653 | |
| Fourth row | 0 | 0 | 523 | 498 | 250 | ••• | 0 | Fourth row | 0 | ••• |
| Third row | 0 | 0 | 0 | 0 | 425 | | 0 | Third row | 0 | ••• |
| Second row Third row Fourth row | 0 | 0 | 0 | 0 | 0 | | 0 | Second row | 0 | ••• |
| First row | 0 | 0 | 0 | 0 | 0 | | 0 | First row | 0 | ••• |
| First piece | First column | Second column | Third column | Fourth column | Fifth column | | 256th column | Second piece | First column | ••• |

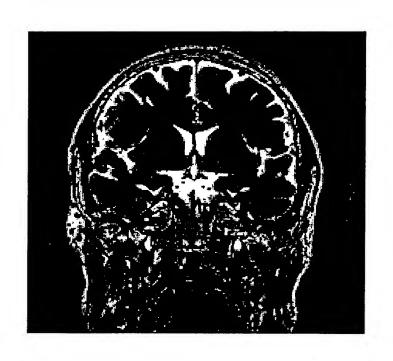
4/8 Fig.4

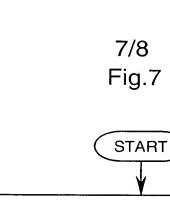
| | T1 MEASUREMENT SIGNAL | T2 MEASUREMENT SIGNAL | HYDROGEN NUCLEUS DENSITY MEASUREMENT SIGNAL | |
|-------|-----------------------------|-----------------------------|--|--|
| WATER | LOW | HIGH | HIGH | |
| BONE | LOW | LOW | LOW | |
| BRAIN | MIDDLE AND HIGHISH | MIDDLE | HIGHISH | |
| SKIN | MIDDLE | HIGHISH | HIGHISH | |

5/8 Fig.5



6/8 Fig.6





Conduct T₁ measurement and store result of T₁ measurement into first image information storing portion

Conduct T₂ measurement and store result of T₂ measurement into second image information storing portion

Align magnetic resonance imaging image information obtained by T₁ measurement three-dimensionally with magnetic reasonance imaging image information obtained by T₂ measurement, obtain spectral intensity value at predetermined position identical to measuring position of T₁ measurement by interpolation of spectral intensity value stored in second image information storing portion and store result of the above in interpolating processing result information storing portion

S3

S₁

